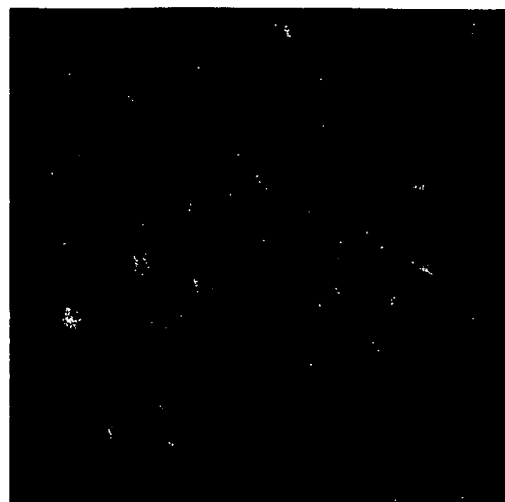
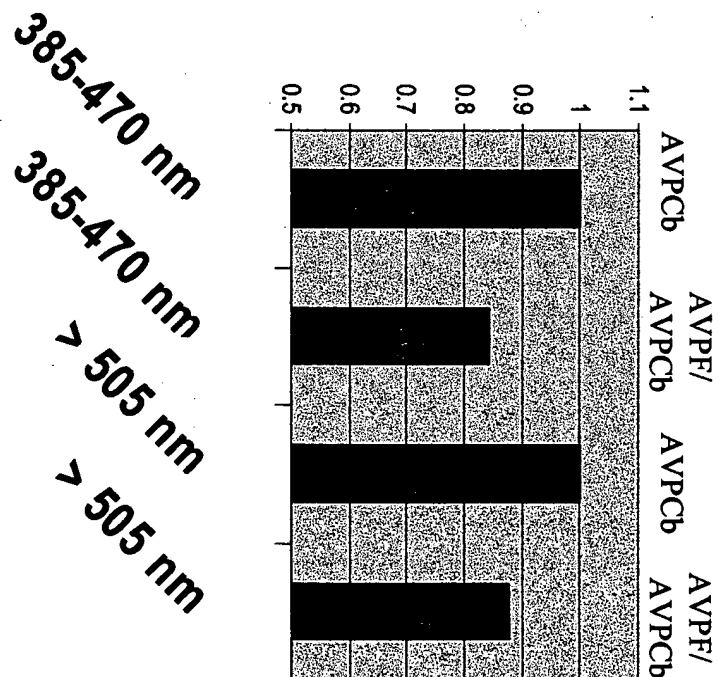


(B)



(A)

Relative Fluorescence
per pixel



(C)

FIG. 1

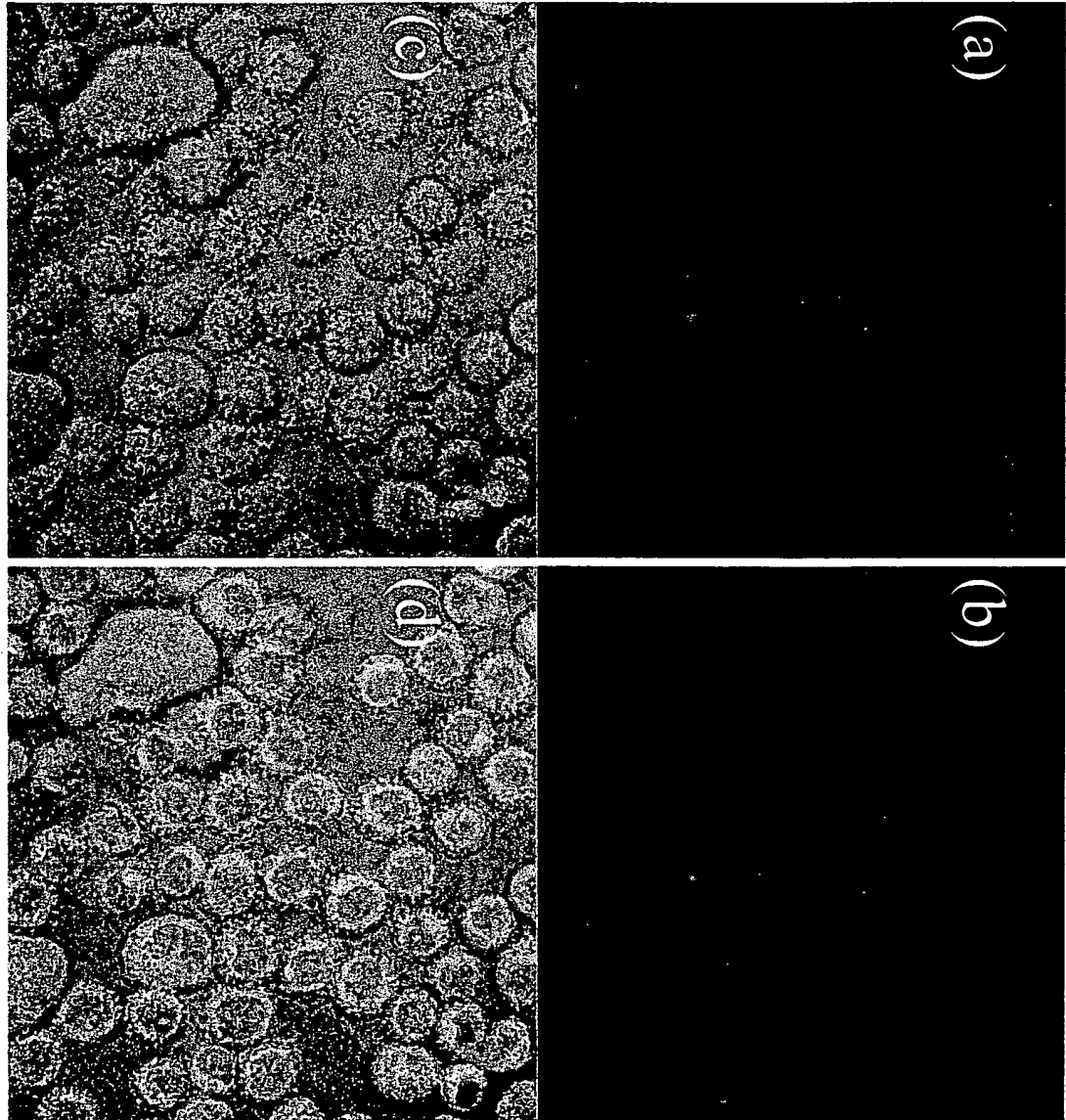


FIG. 2

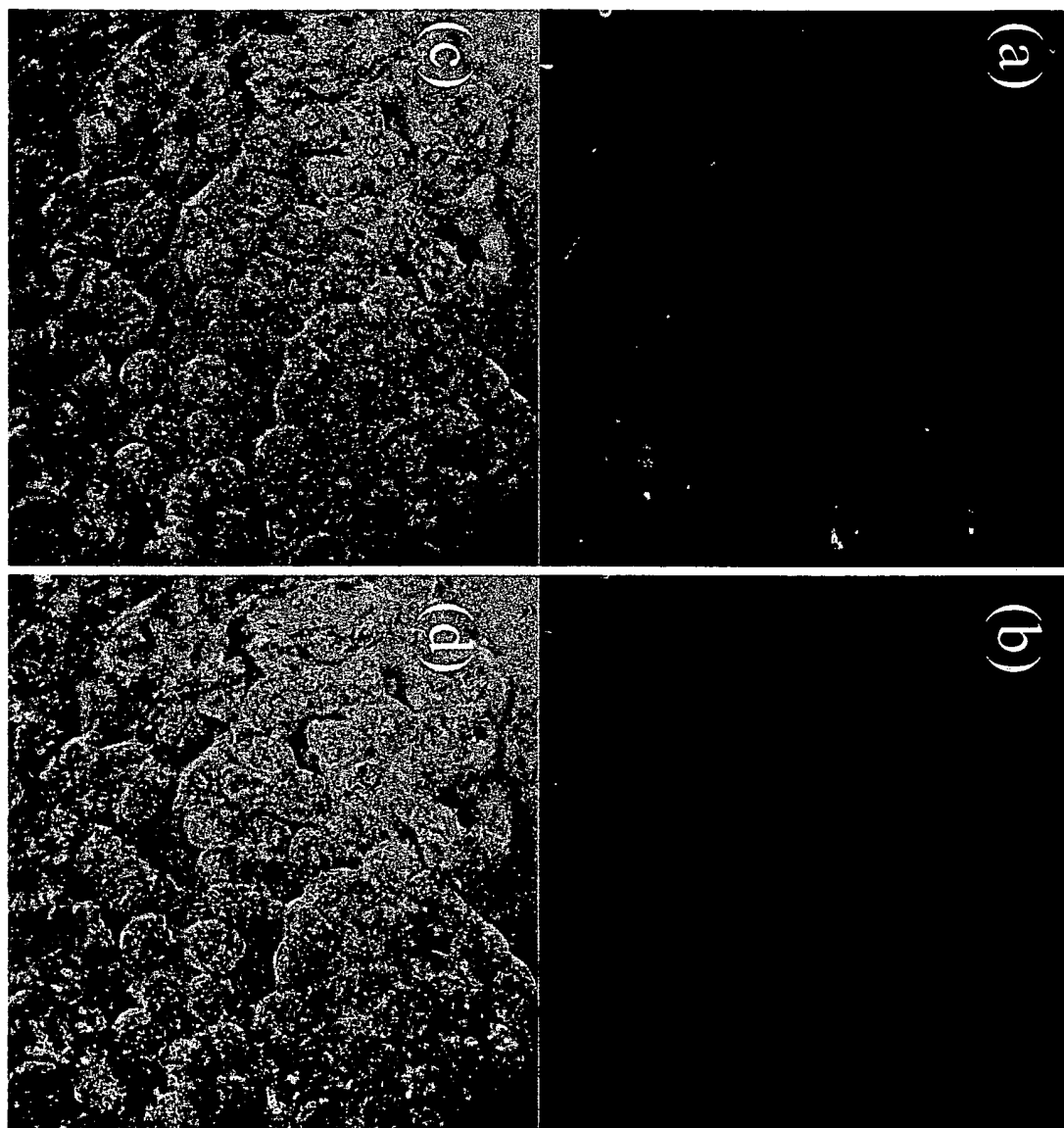


FIG. 3

	K_D (μ M)	Position 2	K_D (μ M)	Position 4	K_D (μ M)	Positions 2 and 4	K_D (μ M)
Natural Analogs							
AVPI (3)	0.48	ARPI (5)	0.18	AVPW (11)	0.11	ARPF (35)	0.02
AVPIAQKSE (36)	0.40	ALPI (12)	0.29	AVPL (19)	0.49		
AVAF (46)	0.56	AHPI (16)	0.33	AVPC (2)	1.4	N-methyl Analogs	
AVPF (4)	0.04	AIPI (14)	0.39	AVPV (22)	1.5	ARP(N-Me)F (62)	0.71
AVPY (15)	0.30	AKPI (48)	0.57	AVPT (21)	2.1	AVP(N-Me)F (63)	0.89
		AYPI (49)	0.59	AVPM (27)	2.3	A(N-Me)VPF (64)	83
		ACPI (50)	0.65	AVPS (30)	4.4	A(N-Me)VP(N-Me)F(65)	91
Position 1		AMPI (51)	0.73	AVPG (23)	4.7	AVP(N-Me)I (66)	174
AbuVPI (13)	0.24	AFPI (52)	0.79	AVPP (31)	5.7	ARP(N-Me)I (67)	190
GVPI (6)	9	AQPI (53)	0.94	AVPD (20)	7.3	A(N-Me)VPI (68)	257
SVPI (47)	27	AWPI (54)	0.99	AVPH (24)	7.3		
		ATPI (55)	1.2	AVPA (26)	14		
		ASPI (56)	1.4	AVPK (32)	28		
		ANPI (57)	1.5	AVPE (28)	93		
		AEPI (58)	2.7	AVPR (33)	>100		
		AAPI (59)	2.8	AVPN (29)	>100		
		ADPI (60)	17	AVPQ (25)	>100		
		AGPI (7)	46				
		APPI (61)	>100				

Fig. 4